

Product Description Document (PDD)

Experimental Nearshore Wave Prediction System (NWPS) Gulf Stream Forecast Guidance Webpage

Part 1: Mission Connection

a. Product Description:

The NWPS Gulf Stream Forecast Guidance Webpage is a 3 hourly forecast for areas along the Gulf Stream as output from the Nearshore Wave Prediction System (NWPS) model locally run from the Weather Forecast Office (WFO) in Miami (MFL). The graphic display shows the Gulf Stream current, significant wave height, wind speed, and peak wave period and direction in graphical formats. There are 4 separate geographical areas, and all the graphs can be stepped in time or looped on the webpage.

b. Purpose/Intended Use:

The purpose of this webpage is to provide customers and partners with a quick, easy, and efficient method to review the ocean conditions for the Gulf Stream in WFO Miami's area of responsibility.

The information is made available for public safety officers as marine forecast guidance but is not recommended as the sole resource for decision making without consulting operational forecasters.

c. Audience:

The Gulf Stream Forecast Guidance Webpage can be used by the public, coast guard, emergency managers, media partners, mariners, and the private sector.

d. Presentation Format

The graphics will be in a graph format. These files can be viewed at

http://polar.ncep.noaa.gov/nwps/nwpsloop.php?site=MFL&loop=Miami_Bimini&cg=1

e. Feedback Method:

Comments will be solicited through December 31, 2019 . At the end of the comment period, if feedback is favorable, the product will be evaluated for expansion to other WFOs in the vicinity of the Gulf Stream.

Survey link: https://www.surveymonkey.com/r/Gulf_Stream

Part 2 – Technical:

a. Format and Science Basis:

The graphics are built in portable network graphic (.png) format from output generated by the Nearshore Wave Prediction System.

b. Availability

The service will be available 24 hours a day, 7 days a week by visiting the webpage at http://polar.ncep.noaa.gov/nwps/nwpsloop.php?site=MFL&loop=Miami_Bimini&cg=1.

The graphics will update at least twice a day and more often during rapidly changing weather conditions.

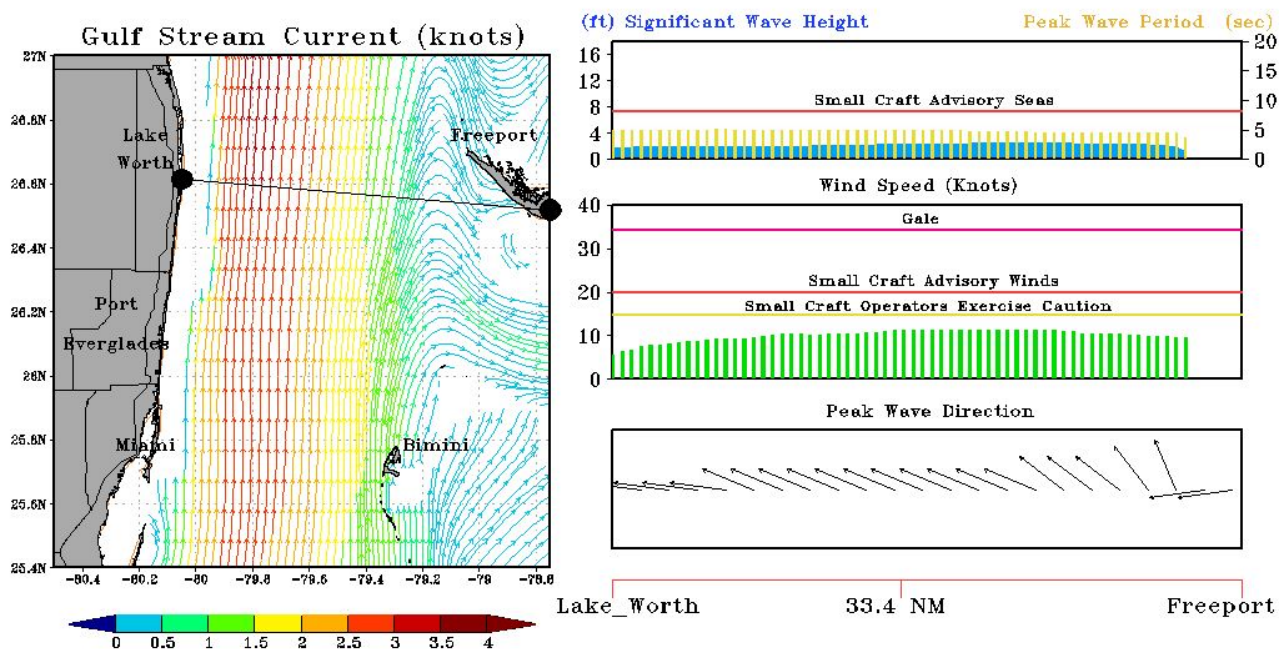
c. Additional Information:



Experimental NWPS Gulf Stream Forecast Guidance Lake_Worth to Freeport



Hour 39 from (18Z02MAY2019)



The graphics above are experimental and should not be used as the sole resource for decision making. The graphics may not be available at all times.

Additional Information may be obtained by contacting the NWS Miami office:

National Weather Service
11691 SW 17th Street
Miami, FL 33165

Pablo Santos, Meteorologist in Charge) MIC at WFO MFL: Pablo.Santos@noaa.gov or 305-229-4500